

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/587,193  
Source: IFWP  
Date Processed by STIC: 08/09/2006

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



IFWP

## RAW SEQUENCE LISTING

DATE: 08/09/2006

PATENT APPLICATION: US/10/587,193

TIME: 09:40:34

Input Set : N:\SSLM\10587193.txt

Output Set: N:\CRF4\08092006\J587193.raw

3 <110> APPLICANT: Japan Science and Technology Agency  
 5 <120> TITLE OF INVENTION: Genetic markers that link to genes associated with Fusarium head blight  
 6 resistance, and use thereof  
 8 <130> FILE REFERENCE: A181-09PCT  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/587,193  
 C--> 10 <141> CURRENT FILING DATE: 2006-07-24  
 10 <150> PRIOR APPLICATION NUMBER: JP 2004-014839  
 11 <151> PRIOR FILING DATE: 2004-01-22  
 13 <150> PRIOR APPLICATION NUMBER: JP 2004-270268  
 14 <151> PRIOR FILING DATE: 2004-09-16  
 16 <160> NUMBER OF SEQ ID NOS: 56  
 18 <170> SOFTWARE: PatentIn Ver. 2.1

Does Not Comply  
 Corrected Diskette Needed

CP8-1,27

## ERRORED SEQUENCES

135 <210> SEQ ID NO: 10  
 136 <211> LENGTH: 335  
 137 <212> TYPE: DNA  
 138 <213> ORGANISM: Hordeum vulgare  
 140 <400> SEQUENCE: 10  
 141 ccgtgtgtcg tctaggtcaa ccatgacaac aactacgtgt ggtcgtgact ttggcctgct 60  
 142 gttgtcacct caccatggat tgtggtctcc atcaaaagtt atttgtgaga gtttcatctc 120  
 143 tgcagatctg gtggttgact ttggtggcat gatcataact atggacggag tcttgatccg 180  
 E--> 144 gagggatggt tgtgcgccaa cgaaggtcac attgcatgta attgttonga tcacggaaga 240  
 145 gtgatggcga aaacacatga gtgacttcaa tgggtggtgtt acttcagtat ccggtatcaa 300  
 E--> 146 gtttcaggc aaaagcctac gtcccaccaa agttg 335  
 149 <210> SEQ ID NO: 11  
 150 <211> LENGTH: 335  
 151 <212> TYPE: DNA  
 152 <213> ORGANISM: Hordeum vulgare  
 154 <400> SEQUENCE: 11  
 155 ccgtgtgtcg tctaggtcaa ccatgacaac aactacgtgt ggtcgtgact ttggcctgct 60  
 156 gttgtcacct caccatggat tgtggtctcc atcaaaagtt atttgtgaga gtttcatctc 120  
 157 tgcagatctg gtggttgact ttggtggcat gatcataact atggacggag tcttgatccg 180  
 E--> 158 gagggatggt tgtgcgccaa cgaaggtcac attgcatgta attgttonga tcacggaaga 240  
 159 gtgatggcga aaacacatga gtgacttcaa tgggtggtgtt acttcagtat ccggtatcaa 300  
 E--> 160 gtttcaggc aaaagcctac gtcccaccaa agttg 335  
 163 <210> SEQ ID NO: 12  
 164 <211> LENGTH: 254  
 165 <212> TYPE: DNA  
 166 <213> ORGANISM: Hordeum vulgare  
 168 <400> SEQUENCE: 12

Pls explain  
 -n' locations  
 see pg-3 for  
 error explanation

same

## RAW SEQUENCE LISTING

DATE: 08/09/2006

PATENT APPLICATION: US/10/587,193

TIME: 09:40:34

Input Set : N:\SSLM\10587193.txt

Output Set: N:\CRF4\08092006\J587193.raw

169 ccgtgtgtcg tctaggtcaa ccatgacaac aactacgtgt ggctgtgact ttggcctgct 60  
170 gttgtcacct caccatggat tgtggtctcc atcaaaagtt atttgtgaga gtttcatctc 120  
171 tgcagatctg gtggttgact ttggtggcat gatcataact atggacggag tcttgatccg 180  
E--> 172 gagggatggt tgtgcgcaa cgaaggcac attgcatgta attgttonga tcacggaaga 240  
173 gtgatggcga aaac 254  
176 <210> SEQ ID NO: 13  
177 <211> LENGTH: 254  
178 <212> TYPE: DNA  
179 <213> ORGANISM: Hordeum vulgare  
181 <400> SEQUENCE: 13  
182 ccgtgtgtcg tctaggtcaa ccatgacaac aactacgtgt ggctgtgact ttggcctgct 60  
183 gttgtcacct caccatggat tgtggtctcc atcaaaagtt atttgtgaga gtttcatctc 120  
184 tgcagatctg gtggttgact ttggtggcat gatcataact atggacggag tcttgatccg 180  
E--> 185 gagggatggt tgtgcggcaa cgaaggcac attgcatgta attgttonga tcacggaaga 240  
186 gtgatggcga aaac 254

The type of errors shown exist throughout  
the Sequence Listing. Please check subsequent  
sequences for similar errors.

## VARIABLE LOCATION SUMMARY

DATE: 08/09/2006

PATENT APPLICATION: US/10/587,193

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Input Set : N:\SSLM\10587193.txt

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Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of &lt;220&gt; to &lt;223&gt; is MANDATORY if n's or Xaa's are present.

in &lt;220&gt; to &lt;223&gt; section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:10; N Pos. 228,307

Seq#:11; N Pos. 228,307

Seq#:12; N Pos. 228

Seq#:13; N Pos. 228

Seq#:48; N Pos. 7,17,29,47,98

Seq#:49; N Pos. 35,37

Seq#:50; N Pos. 19

Seq#:56; N Pos. 41

*Error Explanation*

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/587,193

DATE: 08/09/2006

TIME: 09:40:35

Input Set : N:\SSLM\10587193.txt

Output Set: N:\CRF4\08092006\J587193.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:144 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:10  
M:340 Repeated in SeqNo=10  
L:158 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:11  
M:340 Repeated in SeqNo=11  
L:172 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:12  
L:185 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:13  
L:637 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:48  
L:641 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:48  
L:645 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:48  
L:649 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:48  
L:653 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:48  
L:657 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:48  
L:657 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0  
M:341 Repeated in SeqNo=48  
L:670 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:49  
L:674 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:49  
L:678 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:49  
L:678 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0  
L:691 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:50  
L:695 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:50  
L:695 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0  
L:761 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:56  
L:765 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:56  
L:765 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:0